

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>H3223 PCT S3</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/EP2005/000356</b>	International filing date (day/month/year) <b>14/01/2005</b>	(Earliest) Priority Date (day/month/year) <b>19/01/2004</b>
Applicant  <b>MAX-PLANCK-GESELLSCHAFT . . . .</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☒ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established by this Authority to read as follows:

**CORTICOTROPIN-RELEASING FACTOR RECEPTOR 1 (CRFR1) AGONIST POLYPEPTIDES**

**5. With regard to the abstract,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_
- ☐ as suggested by the applicant.
- ☐ as selected by this Authority, because the applicant failed to suggest a figure.
- ☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☒ none of the figures is to be published with the abstract.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2005/000356

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☒

in written format

☒

in computer readable form

c. time of filing/furnishing

☐

contained in the international application as filed

☐

filed together with the international application in computer readable form

☒

furnished subsequently to this Authority for the purpose of search

2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/000356

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/575 C07K14/705 A61K38/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, CHEM ABS Data, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BEYERMANN MICHAEL ET AL: "A role for a helical connector between two receptor binding sites of a long-chain peptide hormone" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 275, no. 8, 25 February 2000 (2000-02-25), pages 5702-5709, XP002328064 ISSN: 0021-9258 cited in the application the whole document</p> <p style="text-align: center;">----- -/-</p>	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

25 May 2005

Date of mailing of the international search report

27/06/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000356

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BRAUNS OLAF ET AL: "Differential responsiveness of CRF receptor subtypes to N-terminal truncation of peptidic ligands" PEPTIDES (NEW YORK), vol. 23, no. 5, May 2002 (2002-05), pages 881-888, XP002328065 ISSN: 0196-9781 cited in the application the whole document	
A	WO 03/011823 A (THE SALK INSTITUTE FOR BIOLOGICAL STUDIES; RIVIER, JEAN, E., F; VALE,) 13 February 2003 (2003-02-13) the whole document	
A	WO 02/24732 A (MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN; ECKART, KLA) 28 March 2002 (2002-03-28) the whole document	
A	WO 01/72326 A (SMITHKLINE BEECHAM PLC; FACCI, LAURA; SKAPER, STEPHEN, DRAKE; STRIJBOS) 4 October 2001 (2001-10-04) the whole document	
A	ECKART K ET AL: "ACTIONS OF CRF AND ITS ANALOGS" CURRENT MEDICINAL CHEMISTRY, BENTHAM SCIENCE PUBLISHERS BV, BE, vol. 6, no. 11, November 1999 (1999-11), pages 1035-1053, XP000882144 ISSN: 0929-8673 cited in the application the whole document	
A	WEI E T ET AL: "(D-PRO5)CORTICOTROPIN-RELEASING FACTOR ANALOGS AS SELECTIVE AGONISTAT CORTICOTROPIN-RELEASING FACTOR RECEPTORS" EUROPEAN JOURNAL OF PHARMACOLOGY, AMSTERDAM, NL, vol. 306, no. 1 - 3, 1996, pages 161-164, XP000676832 ISSN: 0014-2999 the whole document	
A	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 2003, TODOROVIC C ET AL: "Activation of CRFR2, but not CRFR1, is responsible for the inverse relationship between anxiety and conditioned fear." XP002328066 Database accession no. PREV200400201523 abstract	

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/000356

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>&amp; SOCIETY FOR NEUROSCIENCE ABSTRACT VIEWER AND ITINERARY PLANNER, 2003, 33RD ANNUAL MEETING OF THE SOCIETY OF NEUROSCIENCE; NEW ORLEANS, LA, USA; NOVEMBER 08-12, 2003 ABSTRACT NO. 538.1</p> <p>-----</p> <p>ECKART K ET AL: "Pharmacology and biology of corticotropin-releasing factor (CRF) receptors." RECEPTORS &amp; CHANNELS. 2002, vol. 8, no. 3-4, 2002, pages 163-177, XP008046865 ISSN: 1060-6823 cited in the application the whole document</p> <p>-----</p>	
P,X	<p>TEZVAL HOSSEIN ET AL: "Cortagine, a specific agonist of corticotropin-releasing factor receptor subtype 1, is anxiogenic and antidepressive in the mouse model" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 101, no. 25, 22 June 2004 (2004-06-22), pages 9468-9473, XP002328068 ISSN: 0027-8424 the whole document</p> <p>-----</p>	1-14

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000356

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03011823	A	13-02-2003	CA 2455223 A1	13-02-2003
			JP 2005510458 T	21-04-2005
			WO 03011823 A2	13-02-2003
			US 2004204564 A1	14-10-2004
WO 0224732	A	28-03-2002	AU 8991601 A	02-04-2002
			CA 2427490 A1	28-03-2002
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			EP 1319024 A2	18-06-2003
			US 2004049009 A1	11-03-2004
WO 0172326	A	04-10-2001	AU 8726201 A	08-10-2001
			EP 1272209 A1	08-01-2003
			WO 0172326 A1	04-10-2001
			JP 2003528151 T	24-09-2003
			US 2003186867 A1	02-10-2003

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